## INTERNATIONAL SEARCH REPORT

International application No.

		PCT/JP2	2004/001199
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> H01C10/32			
According to Inte	ernational Patent Classification (IPC) or to both national classification	and IPC	
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
	H01C10/32	·	·
Jitsuyo Kokai Ji	tsuyo Shinan Koho 1971—2004 Jitsuyo Shir	iyo Shinan Koho nan Toroku Koho	1994-2004 1996-2004
Electronic data b JOIS	ase consulted during the international search (name of data base and, v	where practicable, search te	rms used)
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
X Y A	JP 2-216896 A (Teikoku Tsushin Kogyo Kabushiki Kaisha), 29 August, 1990 (29.08.90), Full text; all drawings (Family: none)		1,4. 2,5-10,12-15 3,11
Y	JP 2001-15308 A (Murata Mfg. Co., Lt. 19 January, 2001 (19.01.01), Full text; all drawings & KR 2001007	2,5-10,12-15	
Y	JP 2002-289411 A (Denso Corp.), 04 October, 2002 (04.10.02), Par. Nos. [0053] to [0056] (Family: none)		5,10
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Further documents are listed in the continuation of Box C.  See patent family annex.			
"A" document d to be of part "E" earlier appli filing date  "L" document w cited to est special reaso	efining the general state of the art which is not considered icular relevance date and the prince cation or patent but published on or after the international "X" document of the prince considered which may throw doubts on priority claim(s) or which is ablish the publication date of another citation or other on (as specified) "Y" document considered combined combined combined which is a specified to an oral disclosure, use, exhibition or other means the prince considered the prin	date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
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Japane.	se Patent Office	Authorized officer  Telephone No.	
Facsimile No. Form PCT/ISA/2	10 (second sheet) (January 2004)	10.	·